This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** ~~An anisotropic polymer layer exhibiting a tilted structure with an optical axis having a tilt angle θ relative to the plane of the layer, obtained by polymerizing a polymerizable mesogenic material comprising at least one compound of the formula:~~

~~$P\text{-}(Sp\text{-}X)_n\text{-}MG\text{-}R$ I~~

~~wherein~~

~~P is a polymerizable group,~~

~~Sp is a spacer group having 1 to 20 C atoms,~~

~~X is a group of -O-, -S-, -CO-, -COO-, -OCO-, -OCOO- or a single bond,~~

~~n is 0 or 1,~~

~~MG is a mesogenic or mesogenicity supporting group:~~
~~and~~

~~R is an alkyl radical with up to 25 C atoms optionally unsubstituted, mono- or polysubstituted by halogen or CN, optionally one or more non-adjacent CH_2 groups are replaced, independently, by -O-, -S-, -NH-, -N(CH_3)-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S- or -C≡C- where oxygen atoms are not linked directly to one another, or R is halogen, cyano or, independently, $P\text{-}(Sp\text{-}X)_n$ as defined in formula I;~~

~~wherein the polymerizable mesogenic material is a mixture of:~~

A polymerizable mixture comprising:

a1) 10 to 99% by weight of at least one ~~mesogen~~ compound according to formula I having one polymerizable functional group,

a2) 0 to 70% by weight of at least one ~~mesogen~~ compound according to formula I having two or more polymerizable functional groups, and

b) 0.01 to 5% by weight of an initiator;

wherein the at least one compound of formula I is:

$$P\text{-}(Sp\text{-}X)_n\text{-}MG\text{-}R \qquad I$$

wherein

P is a polymerizable group,

Sp is a spacer group having 1 to 20 C atoms,

X is a group of -O-, -S-, -CO-, -COO-, -OCO-, -OCOO- or a single bond,

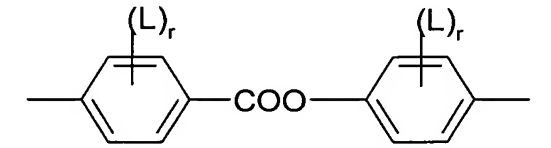
n is 0 or 1,

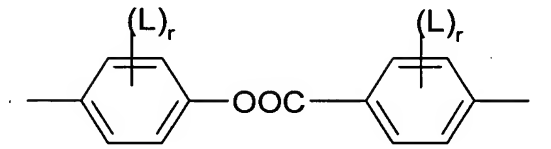
MG is a mesogenic or mesogenicity supporting group:
and

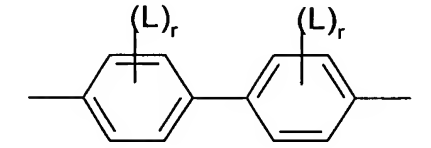
R is an alkyl radical with up to 25 C atoms optionally unsubstituted, mono- or polysubstituted by halogen or CN, optionally one or more non-adjacent CH_2 groups are replaced, independently, by -O-, -S-, -NH-, -N(CH_3)-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S- or -C≡C- where oxygen atoms are not linked directly to one another, or R is halogen, cyano or, independently, P-(Sp-X)$_n$- as defined in formula I.

2. (Currently Amended) A mixture ~~polymer layer~~ according to claim 1, wherein the mixture ~~polymerizable material~~ comprises at least one compound of formula I having one polymerizable group and at least one compound of formula I having two polymerizable groups.

3. **(Currently Amended)** A mixture ~~polymer layer~~ according to claim 1, wherein the mixture ~~polymerizable material~~ comprises at least one compound of formula I wherein the mesogenic group MG is of the formulae:







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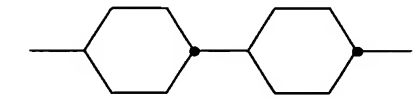

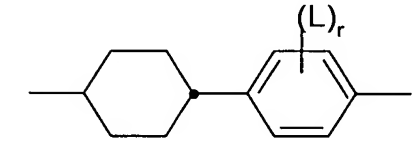

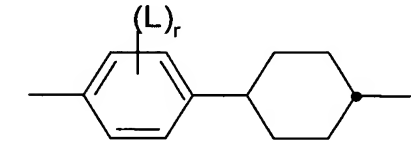

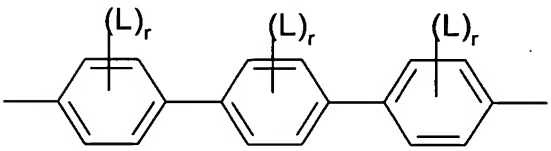

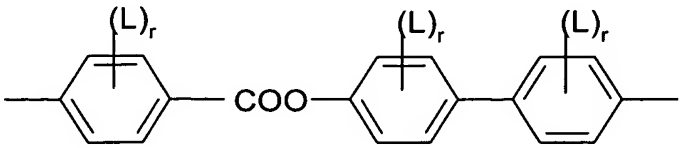

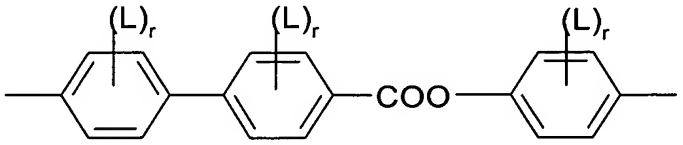

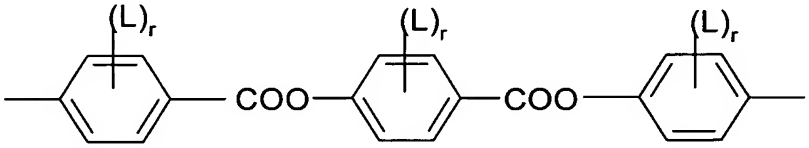

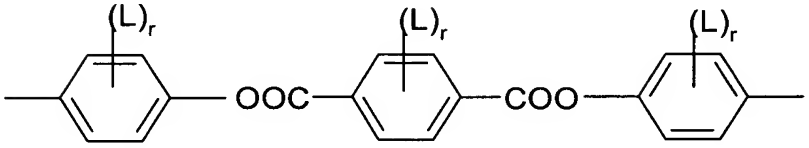

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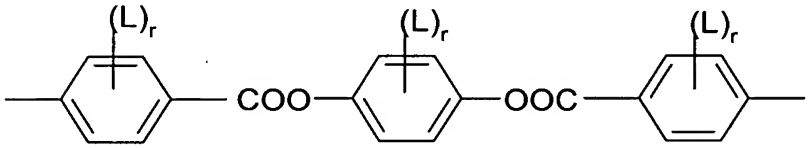

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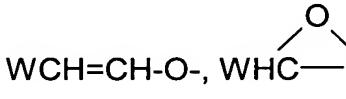
where L is: F, Cl, CN, or a fluorinated alkyl, alkoxy or alkanoyl group with 1 to 4 C atoms, and

r is 0, 1 or 2.

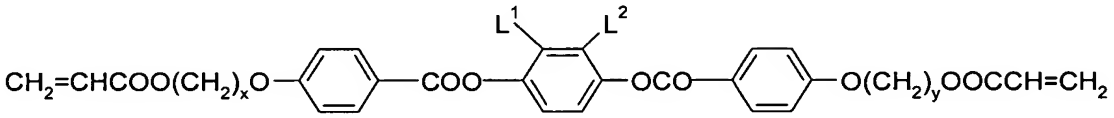
4. (Currently Amended) A mixture ~~polymer layer~~ according to claim 1, wherein the mixture ~~polymerizable material~~ comprises at least one compound of formula I where P is:

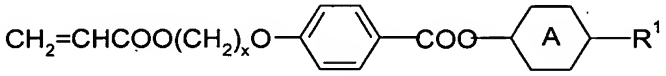
CH_2=CW-COO-,

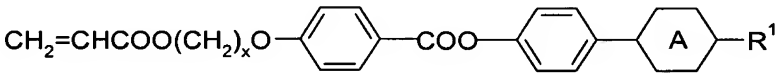


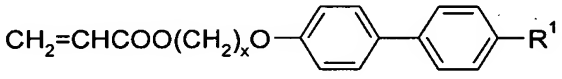
WCH=CH-O-, WHC—CH — or CH_2=CH-Phenyl-$(O)_k$- with W being H, CH_3 or Cl and k being 0 or 1.

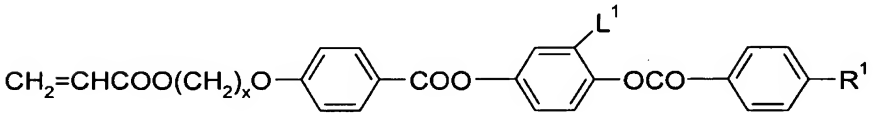
5. (Currently Amended) A mixture ~~polymer layer~~ according to claim 1, wherein the mixture ~~polymerizable mesogenic material~~ comprises at least one compound of the formulae:

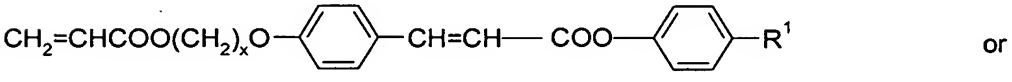












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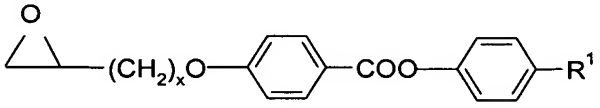

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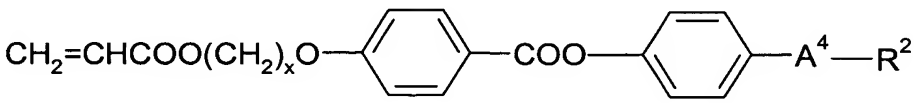
wherein x and y are, independently, 1 to 12, A is a 1,4-phenylene or 1,4-cyclohexylene group, R^1 is halogen, cyano or an optionally halogenated alkyl or alkoxy group with 1 to 12 C atoms, and L^1 and L^2 are, independently, H, F, Cl, CN, or a halogenated alkyl, alkoxy, or alkanoyl group with 1 to 7 C atoms.

6. (Currently Amended) A ~~polymer layer~~ mixture according to claim 1, wherein the ~~polymerizable material~~ mixture comprises 1 to 80% by weight of at least one dielectrically positive monoreactive mesogenic compound.

7. (Currently Amended) A ~~polymer layer~~ mixture according to claim 6, wherein said dielectrically positive monoreactive mesogenic compound has a dielectric anisotropy $\Delta\varepsilon > 1.5$.

8. (Currently Amended) A ~~polymer layer~~ mixture according to claim 6, wherein said dielectrically positive monoreactive mesogenic compound has a polar terminal group of CN, F, Cl, OCF_3, OCF_2H, OC_2F_5, CF_3, OCN or SCN.

9. (Currently Amended) A ~~polymer layer~~ mixture according to claim 1, wherein the mixture ~~polymerizable material~~ comprises at least one compound of the formula:



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wherein x is 1 to 12, R^2 is C_{1-12} alkyl or alkoxy, and

A^4 is 1,4-phenylene, trans-1, 4-cyclohexylene or a single bond;

at least one direactive compound of formula I; and at least one dielectrically positive monoreactive compound of formula I.

10. (Currently Amended) A ~~polymer layer~~ mixture according to claim 1, wherein the ~~polymerizable mesogenic material is a~~ mixture comprises ~~of~~:

a1A) 10 to 65%, by weight of at least one compound of formula I having one polymerizable group, wherein R is an alkyl or alkoxy group with 1 to 12 C atoms;

a1B) 5 to 40% by weight of at least one compound of formula I having one polymerizable group, wherein R is CN, F, Cl or a halogenated alkyl or alkoxy group with 1 to 12 C atoms;

a2) 2 to 90% by weight of at least one compound of formula I having two polymerizable groups, wherein R has one of the meanings of P-(Sp-X-)$_n$; and

b) 0.01 to 5 % by weight of an initiator.

11. (Currently Amended) A ~~polymer layer~~ mixture according to claim 1, wherein the mesogenic or mesogenicity supporting group is a compound of formula:

$$-(A^1\text{-}Z^1)_m\text{-}A^2\text{-}Z^2\text{-}A^3- \qquad \text{II}$$

wherein

A^1, A^2 and A^3 are, independently, 1,4-phenylene where one or more CH groups optionally replaced by N, 1,4-cyclohexylene, optionally, one or two non-adjacent CH_2 groups

are replaced by O and/or S, 1,4-cyclohexenylene or naphthalene-2, 6-diyl, optionally these groups are unsubstituted, mono- or polysubstituted with a halogen, a cyano, or a nitro group, or an alkyl, alkoxy or alkanoyl group having 1 to 7 C atoms, wherein one or more H atoms may be substituted by F or Cl,

Z^1 and Z^2 are each, independently, -COO-, -OCO-, $-CH_2CH_2-$, $-OCH_2-$, $-CH_2O-$, -CH=CH-, -C≡C-, -CH=CH-COO-, -OCO-CH=CH- or a single bond and

m is 0, 1 or 2.

12. (Currently Amended) A mixture ~~polymer layer~~ according to claim 1, wherein n=1.

13. (Currently Amended) A mixture ~~polymer layer~~ according to claim 1, wherein the mixture ~~polymerizable mesogenic material~~ comprises at least 95% by weight of polymerizable compounds.

14.–17. (Canceled)

18. (New) A mixture according to claim 1, further comprising an organic solvent.

19. (New) A mixture according to claim 18, wherein the organic solvent is toluene.